



# Certificate of Analysis

Number: 6030-24010163-001A

**Artesia Laboratory**  
 200 E Main St.  
 Artesia, NM 88210  
 Phone 575-746-3481

Jan. 16, 2024

Station Name: Mulva C Production 1  
 Station Number: 7060928  
 Station Location: Civitas  
 Sample Point: Meter Run  
 Instrument: 6030\_GC2 (Agilent GC-7890B)  
 Last Inst. Cal.: 12/07/2023 17:24 PM  
 Analyzed: 01/16/2024 08:28:14 by EBH

Sampled By: Dustin Sharp  
 Sample Of: Gas Spot  
 Sample Date: 01/11/2024 11:30  
 Sample Conditions: 124.7 psig, @ 70.3 °F Ambient: 61 °F  
 Effective Date: 01/11/2024 11:30  
 Flow Rate: 5314.2554 MSCFD  
 Method: GPA-2261M  
 Cylinder No: 1111-007906

## Analytical Data

| Components       | Un-normalized Mol % | Mol. %   | Wt. %    | GPM at 14.696 psia |                |
|------------------|---------------------|----------|----------|--------------------|----------------|
| Hydrogen Sulfide | 0.0000              | 0.5000   | 0.7383   |                    | GPM TOTAL C2+  |
| Nitrogen         | 1.7440              | 1.7466   | 2.1197   |                    | GPM TOTAL C3+  |
| Methane          | 70.0940             | 70.1990  | 48.7895  |                    | GPM TOTAL iC5+ |
| Carbon Dioxide   | 4.9990              | 5.0065   | 9.5456   |                    |                |
| Ethane           | 12.1880             | 12.2063  | 15.9011  | 3.269              |                |
| Propane          | 6.7590              | 6.7691   | 12.9315  | 1.868              |                |
| Iso-butane       | 0.8120              | 0.8132   | 2.0477   | 0.266              |                |
| n-Butane         | 1.7010              | 1.7036   | 4.2898   | 0.538              |                |
| Iso-pentane      | 0.3820              | 0.3826   | 1.1959   | 0.140              |                |
| n-Pentane        | 0.3030              | 0.3035   | 0.9487   | 0.110              |                |
| Hexanes Plus     | 0.3690              | 0.3696   | 1.4922   | 0.161              |                |
|                  | 99.3510             | 100.0000 | 100.0000 | 6.352              |                |

| Calculated Physical Properties | Total  | C6+    |
|--------------------------------|--------|--------|
| Relative Density Real Gas      | 0.7998 | 3.2176 |
| Calculated Molecular Weight    | 23.08  | 93.19  |
| Compressibility Factor         | 0.9960 |        |

**GPA 2172 Calculation:**

**Calculated Gross BTU per ft<sup>3</sup> @ 14.696 psia & 60°F**

|                                      |        |        |
|--------------------------------------|--------|--------|
| Real Gas Dry BTU                     | 1232   | 5129   |
| Water Sat. Gas Base BTU              | 1211   | 5040   |
| Ideal, Gross HV - Dry at 14.696 psia | 1227.0 | 5129.2 |
| Ideal, Gross HV - Wet                | 1205.5 | 5039.7 |

**Comments:** H2S Field Content .5 %

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

FLARING SUMMARY

| Battery | Date | Total Flare Vol (mcf) | Hrs Flared | Start | End |
|---------|------|-----------------------|------------|-------|-----|
|         |      |                       |            |       |     |

Sante Fe Main Office  
Phone: (505) 476-3441

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Phone: (505) 629-6116

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 588613

**DEFINITIONS**

|  |  |
|--|--|
| Operator:<br>Civitas Permian Operating, LLC<br>555 17th Street<br>Denver, CO 80202 | OGRID:<br>332195                                       |
|  | Action Number:<br>588613                               |
|  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**DEFINITIONS**

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.



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QUESTIONS, Page 2

Action 588613

**QUESTIONS (continued)**

|  |  |
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|  | Action Number:<br>588613                               |
|  | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

| Date(s) and Time(s)                            |            |
|--|------------|
| Date vent or flare was discovered or commenced | 05/17/2026 |
| Time vent or flare was discovered or commenced | 12:01 AM   |
| Time vent or flare was terminated              | 11:59 PM   |
| Cumulative hours during this event             | 7          |

| Measured or Estimated Volume of Vented or Flared Natural Gas              |   |
|---|---|
| Natural Gas Vented (Mcf) Details  | Not answered.   |
| Natural Gas Flared (Mcf) Details  | Cause: High Line Pressure   Pipeline (Any)   Natural Gas Flared   Released: 52 Mcf   Recovered: 0 Mcf   Lost: 52 Mcf. |
| Other Released Details  | Not answered.   |
| Additional details for Measured or Estimated Volume(s). Please specify    | Not answered.   |
| Is this a gas only submission (i.e. only significant Mcf values reported) | Yes, according to supplied volumes this appears to be a "gas only" report.  |

| Venting or Flaring Resulting from Downstream Activity             |  |
|---|--|
| Was this vent or flare a result of downstream activity            | Yes                                    |
| Was notification of downstream activity received by this operator | No                                     |
| Downstream OGRID that should have notified this operator          | [331548] Targa Northern Delaware, LLC. |
| Date notified of downstream activity requiring this vent or flare | Not answered.                          |
| Time notified of downstream activity requiring this vent or flare | Not answered.                          |

| Steps and Actions to Prevent Waste   |  |
|--|--|
| For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control. | True   |
| Please explain reason for why this event was beyond this operator's control  | The location experienced a malfunction that was not anticipated and the flaring can be attributed to high line pressure from our midstream provider. Due to this the inability for midstream to take gas, flaring was required |
| Steps taken to limit the duration and magnitude of vent or flare   | Standard PM. Worked with vendor to coordinate service time and minimize downtime.  |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare  | Standard PM. No way to avoid periodic downtime for maintenance/repairs to address unforeseen issues.   |





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CONDITIONS

Action 588613

**CONDITIONS**

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|  | Action Number:<br>588613                               |
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**CONDITIONS**

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| mlaruecdh  | If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 5/27/2026      |